

U.S. Patent Application Serial No. 09/456,531
Response dated September 2, 2003
Reply to OA of June 3, 2003

REMARKS

Claims 1, 3, 4, 6, 7, 11, 15 and 19-22 are pending in this application. Claim 13 has been canceled herein without prejudice or disclaimer. Claim 3 has been amended herein.

No new matter has been added by this amendment. Support for the amendment to claim 3 may be found in canceled claim 13.

Claims 1, 3-4, 6-7, 11, 13, 15 and 19-22 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The rejection is traversed in part and in part overcome by the amendment to claim 3. Reconsideration of the rejection is respectfully requested.

The Examiner rejects the claims as being incomplete for omitting essential elements, in particular the elements that allow light emission to occur.

However, Applicants note that claims 1 and 19-20 recite "an electrode structure" and do not recite anything about light emission. Applicants note that the present invention is applicable not only to a semiconductor light-emitting device, but also widely to all semiconductor devices in which strong force are applied to the bonding pad when bonded (see page 13, lines 2-8 of the specification of the present invention).

Applicants submit that the relationships between the elements in claim 1 are adequately recited in the claim, and that there are no omitted essential elements. In the present invention, since the first film of a high hardness is formed on the each side surfaces of the poles of polyamide, the

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poles and the second film are prevented from being distorted, even when a strong force is applied upon the bonding pad. Therefore, the bonding pad is prevented from peeling off, even in the case that a thick polyamide layer is formed below the bonding pad. In the present invention, since the thick polyamide layer is formed below the bonding pad, parasitic capacity between the bonding pad and the lower layer is small, whereby radio-frequency signals can be used.

Applicants therefore submit that claims 1 and 19-20 do not omit essential elements and do distinctly claim the subject matter.

The rejection of pending claims 3-4, 6-7, 11, 15 and 19-22 is overcome by the amendment to claim 3. The amendment to claim 3 clarifies the claim by reciting the waveguide, the lower electrode and the upper electrode, which had been recited in claim 13. The relationships between the recited elements are clearly recited. Applicants submit that, as amended, the claims do not omit any essential element and do distinctly claim the subject matter.

Claims 1, 3-4, 6-7, 11, 13, 15 and 19-22 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action.

Applicants submit that the amendments to the claims overcome the rejection under 35 U.S.C. 112, second paragraph, and that the claims are in condition for allowance.

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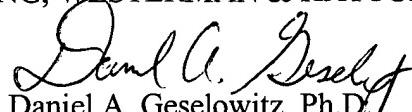
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If, for any reason, it is felt that this application is not now in condition for allowance, the Examiner is requested to contact Applicants undersigned agent at the telephone number indicated below to arrange for an interview to expedite the disposition of this case.

In the event that this paper is not timely filed, Applicants respectfully petition for an appropriate extension of time. Please charge any fees for such an extension of time and any other fees which may be due with respect to this paper, to Deposit Account No. 01-2340.

Respectfully submitted,

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